

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dumb gateway ~~Gateway~~ device $[(3; 4)]$ for connecting a ~~respective~~ bus system $[(7; 8)]$ with a common network layer $[(300)]$ that is designed to build a ~~superior~~ transparent access network by connecting at least one ~~further~~ bus system $[(8; 7)]$ via at least one ~~further~~ dumb gateway device $[(4; 3)]$ to said common network layer $[(300)]$, said dumb gateway device $[(3; 4)]$ comprising:

a bus service interface $[(31; 41)]$ configured to access all functionality and commands of a ~~further~~ said bus system $[(8; 7)]$ via said common network layer $[(300)]$ from an intelligent gateway $[(1)]$ connected to said common network layer ~~within said superior network~~.

Claim 2 (Currently Amended): A dumb gateway ~~Gateway~~ device according to claim 1, ~~characterized in that~~ wherein said bus service interface $[(31; 41)]$ is able to post bus events on said common network layer $[(300)]$ in case a device $[(5; 6)]$ within said respective bus system $[(7; 8)]$ indicates the possibility to communicate via said common network layer $[(300)]$.

Claim 3 (Currently Amended): A dumb gateway ~~Gateway~~ device according to claim 1, ~~characterized in that~~ wherein said bus service interface $[(31; 41)]$ is usable by a device presenter $[(12, 13; 14)]$ to communicate with the corresponding real device $[(5; 6)]$ connected to said respective bus system $[(7; 8)]$.

Claim 4 (Currently Amended): A dumb gateway ~~Gateway~~ device according to claim 1, ~~characterized in that~~ wherein said bus service interface $[(31; 41)]$ is able to represent a

virtual device [(32; 42)] to its respective bus system [(7; 8)] based on a corresponding device emulator [(15; 16)].

Claim 5 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that~~ wherein said bus service interface [(31; 41)] communicates via said common network layer [(300)] according to the Universal Plug and Play protocol set.

Claim 6 (Currently Amended): A dumb gateway Gateway device according to claim 1, ~~characterized in that by an~~ wherein said intelligent gateway for communicating between communicates with said dumb gateway devices device [(3;4)], which respectively ~~connect~~ connects to a respective bus system [(7;8)], ~~which comprises~~ that includes at least one physical device [(5;6)], with a common network layer [(300)], comprising a static or dynamic possibility to provide at least one device presenter [(12, 13; 14)] and/or at least one device emulator [(16;15)] of at least one physical device [(5;6)] to said common network layer [(300)].

Claim 7 (Currently Amended): An intelligent ~~Intelligent~~ gateway [(1)] for communicating between gateway devices [(3; 4)], which respectively connect to a respective bus system [(7; 8)], ~~which comprises~~ that includes at least one physical device [(5; 6)], with a common network layer [(300)], comprising:

a static or dynamic possibility to provide at least one device presenter [(12, 13; 14)] and/or at least one device emulator [(16; 15)] of at least one physical device [(5; 6)] to said common network layer [(300)].

Claim 8 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized by~~ wherein a device manager [[[11]]] that monitors bus events for new devices, which are posted on said common network layer [[[300]]], and finds, loads and assigns corresponding device presenters and/or emulators.

Claim 9 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 8, ~~characterized in that~~ wherein said device manager [[[11]]] loads device presenters and/or emulators from external sources.

Claim 10 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized in that~~ further comprising:

a device presenter ~~presents~~ configured to present a real device on a bus system as a generic abstract device or service.

Claim 11 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 7, ~~characterized in that~~ further comprising:

a device emulator ~~emulates~~ configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Currently Amended): An intelligent ~~Intelligent~~ gateway according to claim 10, ~~characterized in that~~ wherein said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

Claim 13 (Currently Amended): An transparent access ~~Superior~~ network that integrates at least two bus systems, each of which comprises a respective gateway device according to claim 1, comprising:

at least one intelligent gateway for communicating between gateway devices $[(3;4)]$, which respectively connect to a respective bus system $[(7;8)]$, ~~which comprises~~ said at least on gateway including at least one physical device $[(5;6)]$, with a common network layer $[(300)]$, ~~comprising~~ including a static or dynamic possibility to provide at least one device presenter $[(12, 13; 14)]$ and/or at least one device emulator $[(16;15)]$ of at least one physical device (5;6) to said common network layer $[(300)]$, and

said common network layer $[(300)]$ being connected to the respective gateways and said at least one intelligent gateway.